

Application Serial No. 10/757,134
Attorney Docket No. 72255-00011
Response to May 13, 2005 Office Action

REMARKS/ARGUMENTS

The applicant wishes to acknowledge, with thanks, the Office action mailed May 13, 2005. This amendment is responsive to the Office action mailed May 13, 2005. Claims 1, 7-8, 18 and 25 have been amended. Claims 20, 24, 27 and 31 have been canceled without prejudice or disclaimer. Claims 32-34 have been added. The subject matter of claims 32-34 is not new matter as it is disclosed on page 6, lines 14-17 of the original specification.

REJECTIONS UNDER 35 U.S.C. § 102

Claims 1-31 were rejected under 35 U.S.C. § 102(e) as being anticipated by U.S. Patent No. 6,853,197 to McFarland et al. (*hereinafter* McFarland). Claims 20, 24, 27 and 31 have been canceled. For reasons that will now be set forth, claims 1-19, 21-23, 25-26, 28-30 and 32-34 as they now currently stand are not anticipated by McFarland.

Independent claim 1 as now amended recites an antenna element for transmitting and receiving signals at radio frequencies. The antenna element comprises an antenna connector for establishing a signal connection between the antenna element and a radio component and an electronic serialization component for indicating at least one predetermined antenna characteristic, and adapted to read out the predetermined antenna characteristics through the antenna connector to the radio component. The electronic serialization component is reprogrammable to change a value of the at least one predetermined antenna characteristic. Similarly, independent claim 7 as now amended recites a wireless communication device with a radio component, an antenna system comprising an antenna element, a connector and an electronic serialization component wherein the electronic serialization component is responsive to a remote signal to change a value of the predetermined antenna characteristic. Independent claim 18 recites a method of antenna operation comprising modifying a value of the at least one antenna characteristic of the identification stream stored at the antenna serialization component responsive to a remote signal. Independent claim 25 as now amended recites a computer usable medium having computer readable program code embodied therein for effecting the radio component operation, the computer readable program code in a computer program product comprising instructions for modifying a value of the identification stream stored at the antenna serialization component. Thus, a common aspect of claims 1, 7, 18 and 25 is that a value of an

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antenna characteristic stored at the electronic serialization component is reprogrammable (modifiable).

By contrast, McFarland only allows modification of the programming in the wireless transceiver's controller, and does not disclose modifying a value stored at electronic serialization component (*see* McFarland col. 5, lines 51-59, "A transceiver board port 275 provide a port for transfer of new and updated programs for evaluating the DC current or other characteristics of the attached antenna. For example, Table 1 may be stored in a data portion of memory 270. The table may be updated with new values or changes to existing resistors or corresponding antennas. New and updated values are transferred to the memory via transceiver board port 275." *see also*, Col. 12, lines 18-24, "The present invention allows programmability of the integrity check mechanisms (e.g., programs stored in memory 270) so that new antenna features, types gain ranges, or other parameters can be upgraded or changed (e.g., via port 275) consistent with future requirements within the QoS and other product spaces." *cf.* "Facilities for adjusting the transceiver's operational parameters could be maintained in the controller 440, embodied in either electronics or in software programs stored in memory 445, for example." {col. 9, lines 8-12}).

Furthermore, McFarland explicitly teaches away from the present invention as McFarland's goal is to prevent modification of the electronic component or circuit that has a value corresponding to the properties of the antenna (*see* col. 11, lines 11-17, "The present invention is also directed toward reducing the likelihood that entrepreneurial users of devices according to the present invention do not thwart the security implemented for validating antenna integrity. In this regard, the present invention also provides for placement of components or microchips resident on the antennas in a location that is not easily altered, removed, or otherwise modified.").

Therefore, for the reasons just set forth, independent claims 1, 7, 18 and 25 as currently amended are not anticipated by McFarland. Claims 2-6 and 32 directly depend from claim 1 and thus contain each and every element of claim 1; claims 8-17 directly depend from claim 7 and thus contain each and every element of claim 7; claims 19, 21-23 and 33 directly depend from claim 18 and thus contain each and every element of claim 18; and claims 26, 28-30 and 34 directly depend from claim 25 and thus contain each and every element of claim 25. Therefore,

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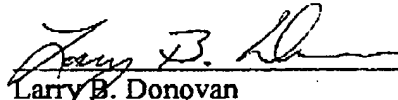
for the reasons already set forth for claims 1, 7, 18 and 25, claims 2-6, 8-17, 19, 21-23, 26, 28-30 and 32-34 are not anticipated by McFarland.

In addition to the reasons just set forth, new claims 32-34 recite that the electronic serialization component is reprogrammable to change the value of an antenna characteristic from the group consisting of maximum output power and operating frequency. McFarland does not teach that the maximum output power level is adjustable. McFarland stores antenna operating frequency in the transceiver memory, not in the serialization component (see Table 1 and Table 2; col. 12 lines 18-24).

If there are any fees necessitated by the foregoing communication, please charge such fees to our Deposit Account No. 50-0902, referencing our Docket No.

Respectfully submitted,
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Date: 8-15-2005


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